

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. <b>MP0389 /</b> <b>13361-0061001</b>	Application No. <b>10/734,440</b>
	Applicant <b>Sampath et al.</b>		
	Filing Date <b>December 11, 2003</b>	Group Art Unit <b>2616</b>	

### U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A1	5,345,599	09/1994	Paulraj, et al.			
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	A3	6,377,636	04/2002	Paulraj et al.			
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	A7	2002/0196942	12/2002	Onggosanusi et al.			
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	A25	7,532,563	05/2009	Shirali et al.			

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	A26	WO 03/001726	01/03/2003	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	A27	Goldsmith, et al., "Adaptive Coded Modulation for Fading Channels", May 1998, IEEE Transactions on Communications, Vol. 46, No. 5, pgs. 595-602.
	A28	Catreux, et al., "Adaptive Modulation and MIMO Coding for Broadband Wireless Data Networks", June 2002, IEEE Communications Magazine, pgs. 108-115.
	A29	Xin, et al., "Space-Time Constellation-Rotating Codes Maximizing Diversity and Coding Gains", 2001, IEEE, pgs. 455-459.
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	A33	IEEE Computer Society, "Part 16: Air Interface for Fixed Broadband Wireless Access Systems", IEEE Std <b>802.16</b> -2004
	A34	IEEE Computer Society, "Draft 802.20 Permanent Document : System Requirements for IEEE 802.20 Mobile Broadband Wireless Access Systems – Version 14", IEEE <b>802.20</b> -PD-06, July 2004
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	A37	Narasimhan et al., U.S. Application Serial No. <b>10/620,024</b> , filed July 14, 2003 (Attorney Docket No. MP0286/13361-0047001)

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